

ABSTRACT OF THE DISCLOSURE

The present invention relates to novel purified
and isolated nucleotide sequences encoding mammalian
Ca²⁺/calmodulin stimulated phosphodiesterases (CaM-PDEs)
5 and cyclic-GMP-stimulated phosphodiesterases (cGS-PDEs).
Also provided are the corresponding recombinant
expression products of said nucleotide sequences,
immunological reagents specifically reactive therewith,
and procedures for identifying compounds which modulate
10 the enzymatic activity of such expression products.